

CLAIMS

What is claimed is:

1 1. A method comprising:

2 establishing a node as a nominal root node, the nominal root node
3 being a node with a right to transmit a packet on a bus; and
4 dynamically changing the nominal root node responsive to a change in
5 right to transmit on the bus.

1 2. An apparatus comprising:

2 a first port; and
3 a physical layer (PHY) coupled to the first port that encodes a last
4 packet of a subaction for transmission on a serial bus, the PHY arbitrating a next
5 access to the serial bus and attaching a grant token to the last packet of the subaction
6 to be transmitted out a highest priority port.

1 3. A system comprising:

2 a full duplex serial bus; and
3 a plurality of nodes coupled together in a tree topology by the serial bus
4 wherein a node transmitting a current packet is a nominal root node of the tree
5 topology and wherein each other node repeatedly transmits current arbitration
6 information toward the nominal root node.